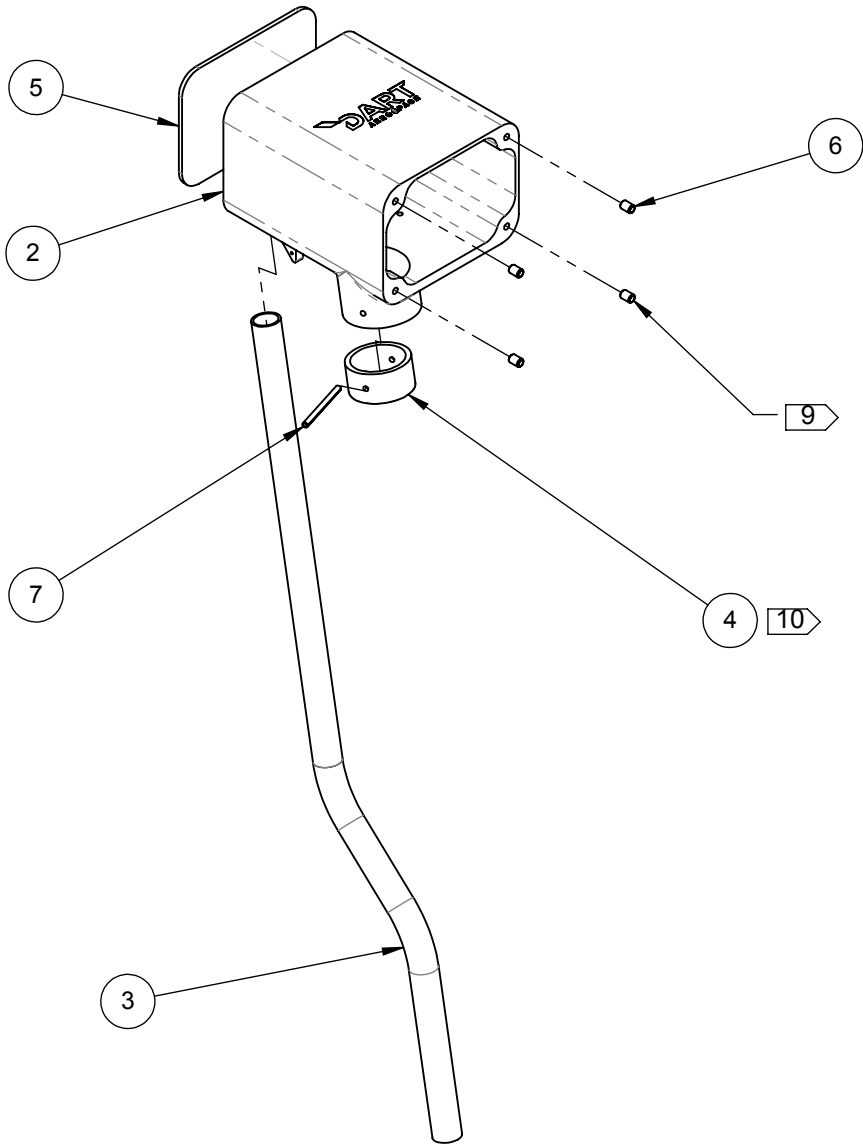
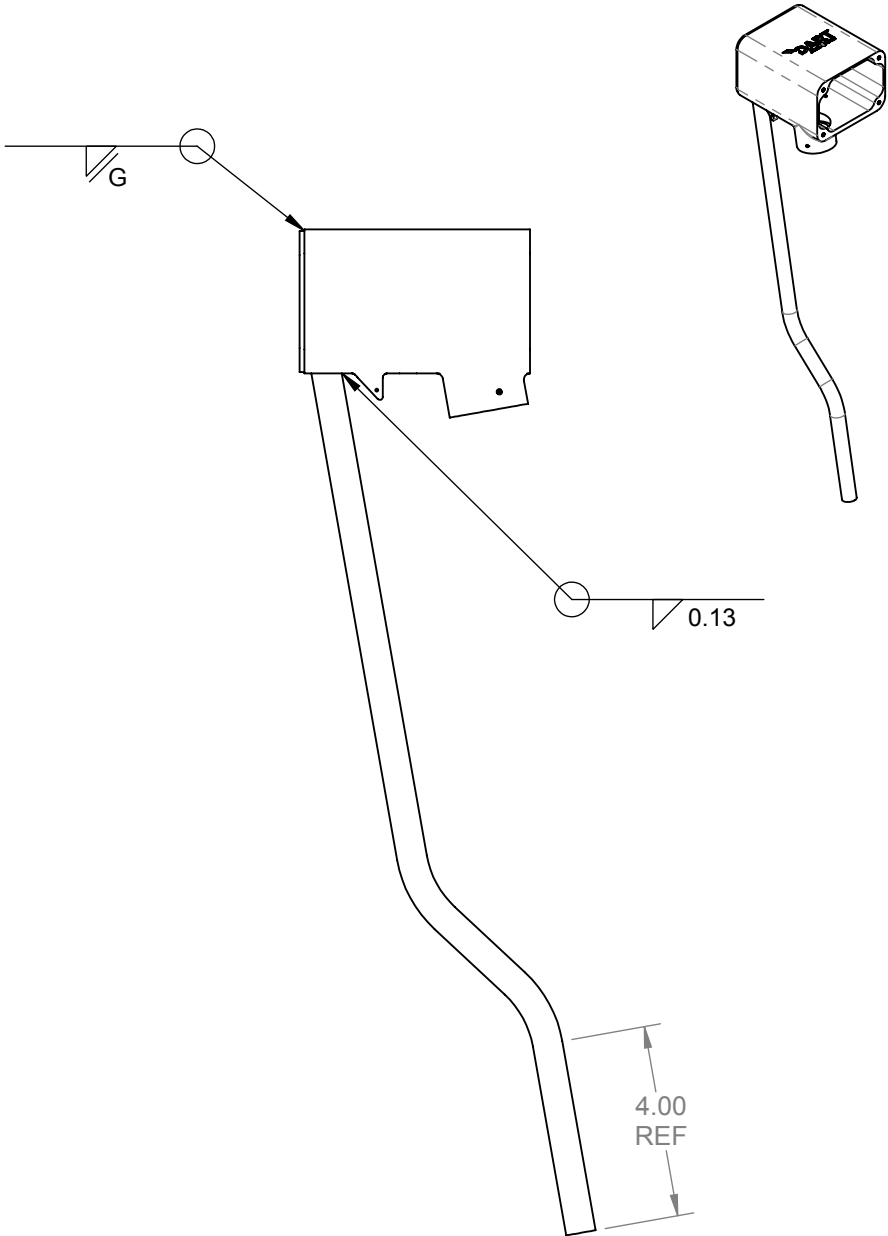


ITEM NO.	QTY. -041	PART NUMBER	DESCRIPTION
1	X	D4410-041	CO-PILOT COLLECTIVE HEAD ASSEMBLY (205)
2	1	D4410-1	CO-PILOT COLLECTIVE HEAD
3	1	D4410-7	CONDUIT
4	1	D4410-11	205 SHIM
5	1	D4410-15	REAR COVER
6	4	90296A108	HELI-COIL INSERT (6-32 X 0.276)
7	1	MS171539	PIN



D4410-041 CO-PILOT COLLECTIVE HEAD ASSEMBLY (205)

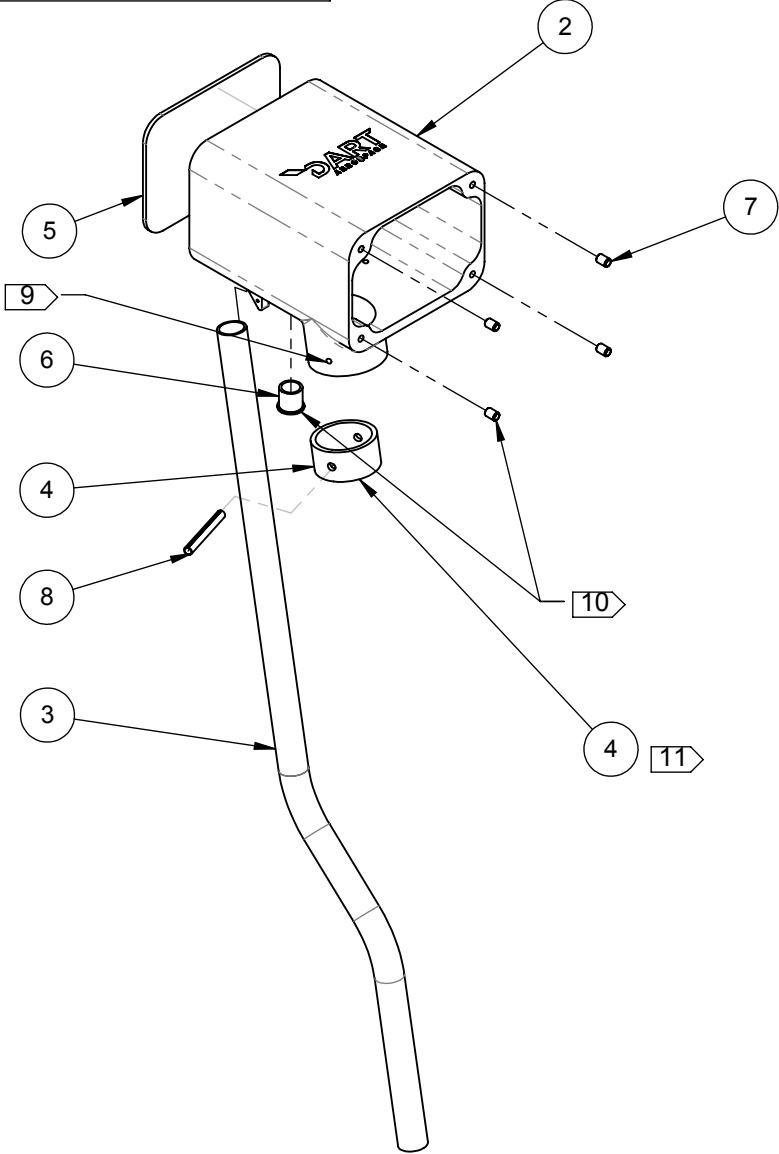
- NOTES:
- 1) MATERIAL: N/A
  - 2) FINISH: ANODIZE BLACK PER MIL-A-8625F TYPE I OR IB OR IC OR II OR IIB CLASS 2 AFTER WELDING
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
  - 7) WEIGHT: 1.55 lbs
  - 8) WELD PER DART QSI 004
  - 9) INSTALL AFTER ANODIZING
  - 10) INSTALL AFTER ANODIZING WET WITH PROSEAL 890 OR EQUIVALENT ENSURE THAT PROSEAL DOES NOT CONTACT PIN



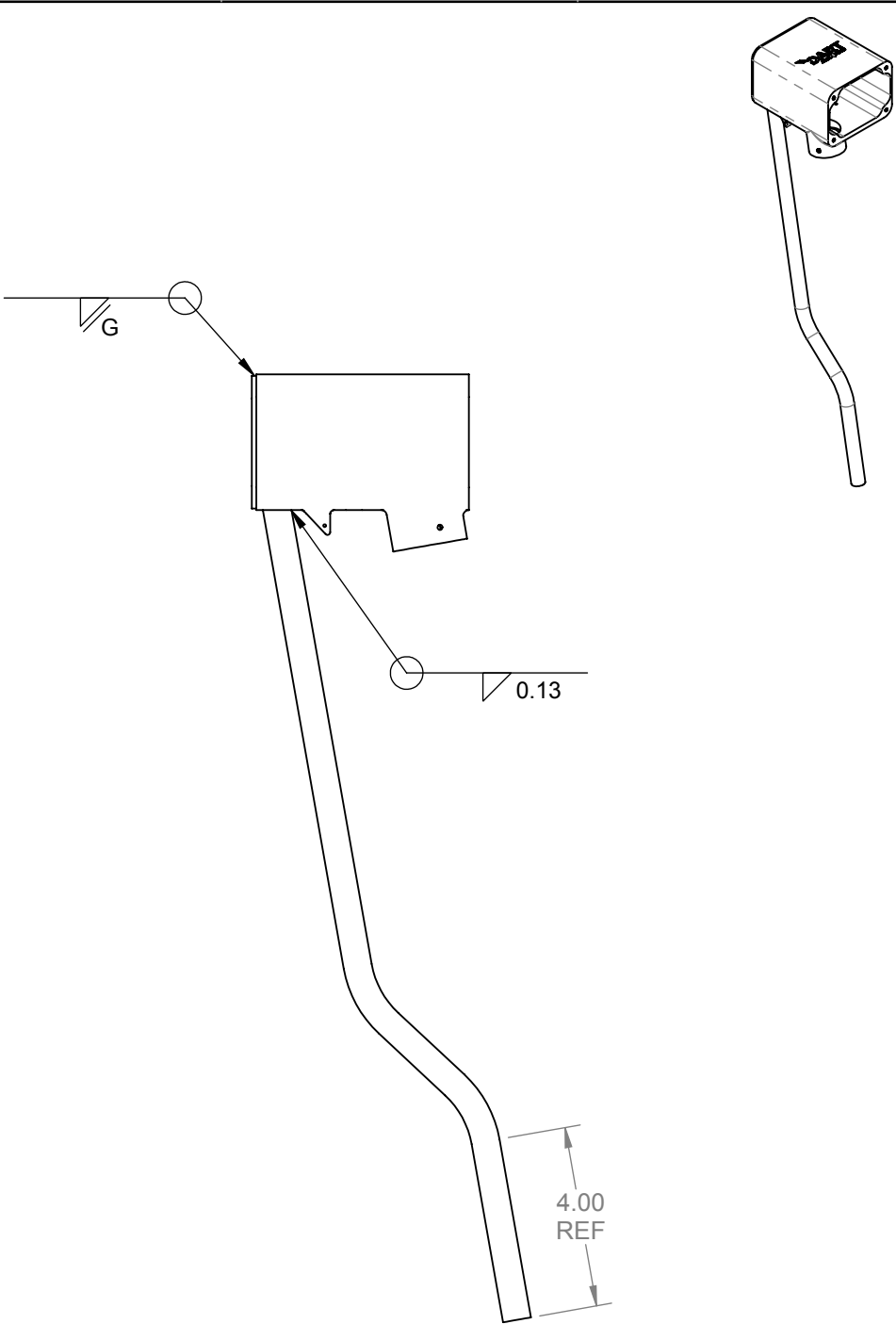
D4410-041 WELDING DETAIL

D	REVISE TRIGGER SHAPE, ZN A5-9	VS	14.10.14
C	ADD HOLE DIM, ZN C6-7; UPDATE LOGO, ZN C2-5; UPDATE NOTE 8, ZN A8-5; REVISE CAPTION, ZN B2-1; ADD WELDING DETAIL, ZN C2-2, ZN C2-3.	VS	14.02.20
B	ADD C'BORE, ZN A4-2. ENLARGE HOLES, ZN C5-3 & B8-3, UPDATE LOGO. ADD -045/-11/-13/-15. ROTATE HOLE, ZN C3-2. INCREASE -7 DIAMETER, ZN C1-6. REMOVE -9 FROM -041 ASSEMBLY, ZN C5-1.	DC	12.07.30
A	NEW ISSUE	DC	11.06.06
REV.	DESCRIPTION	BY	DATE
DESIGN	VS	DART AEROSPACE USA, INC. KENT, WA	
DRAWN	VS		
CHECKED	RF	DRAWING NO.	REV. D5
MFG. APPR.	JLM	D4410	SHEET 1 OF 12
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	CO-PILOT COLLECTIVE HEAD	NTS
DATE	14.10.14	COPYRIGHT © 2011 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	

ITEM NO.	QTY. -043	PART NUMBER	DESCRIPTION
1	X	D4410-043	CO-PILOT COLLECTIVE HEAD ASSEMBLY (212)
2	1	D4410-1	CO-PILOT COLLECTIVE HEAD
3	1	D4410-7	CONDUIT
4	1	D4410-13	212 SHIM
5	1	D4410-15	REAR COVER
6	1	D4413-1	DOME PLUG
7	4	90296A108	HELI-COIL INSERT (6-32 X 0.276)
8	1	MS171599	PIN



D4410-043 CO-PILOT COLLECTIVE HEAD ASSEMBLY (212)



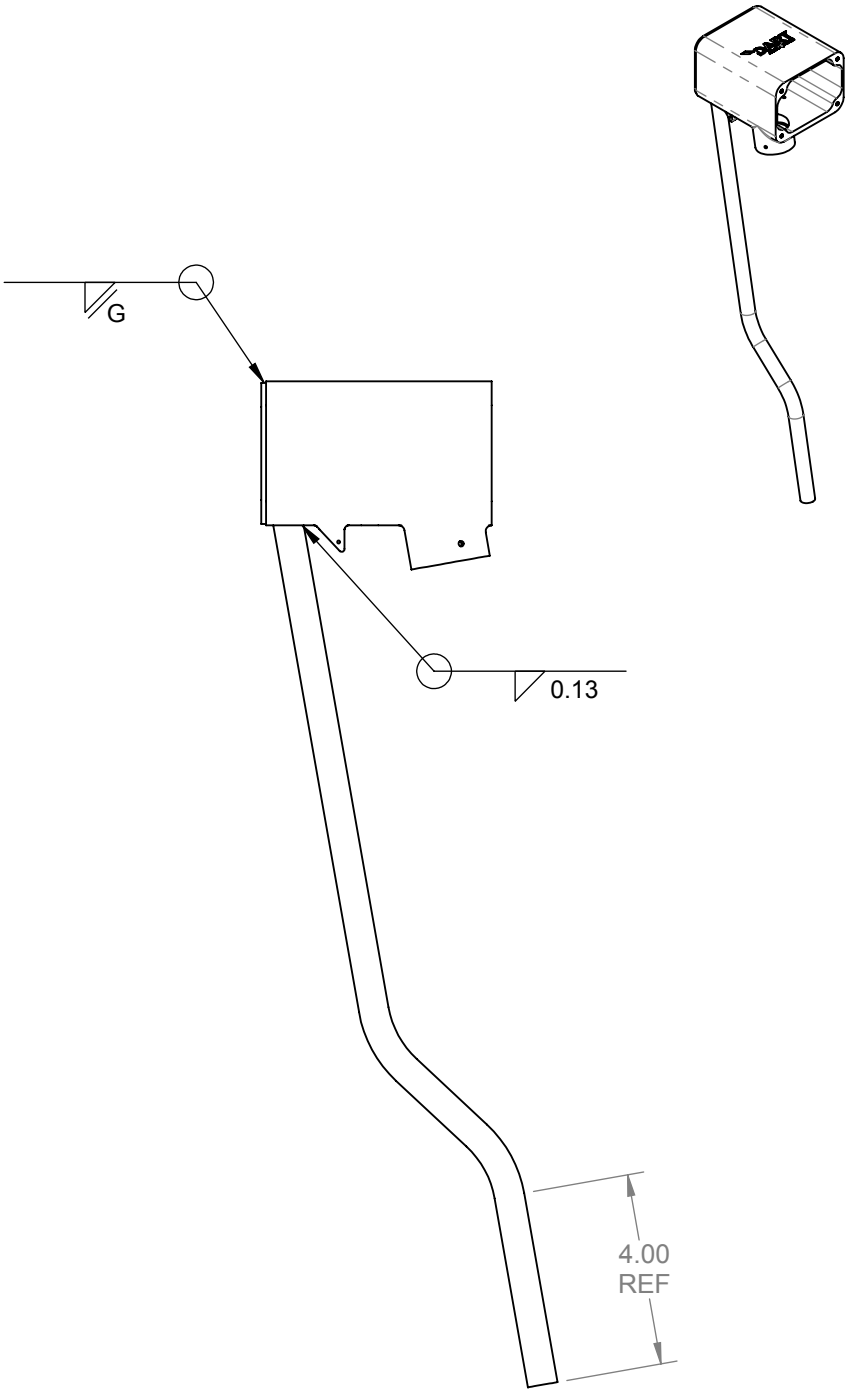
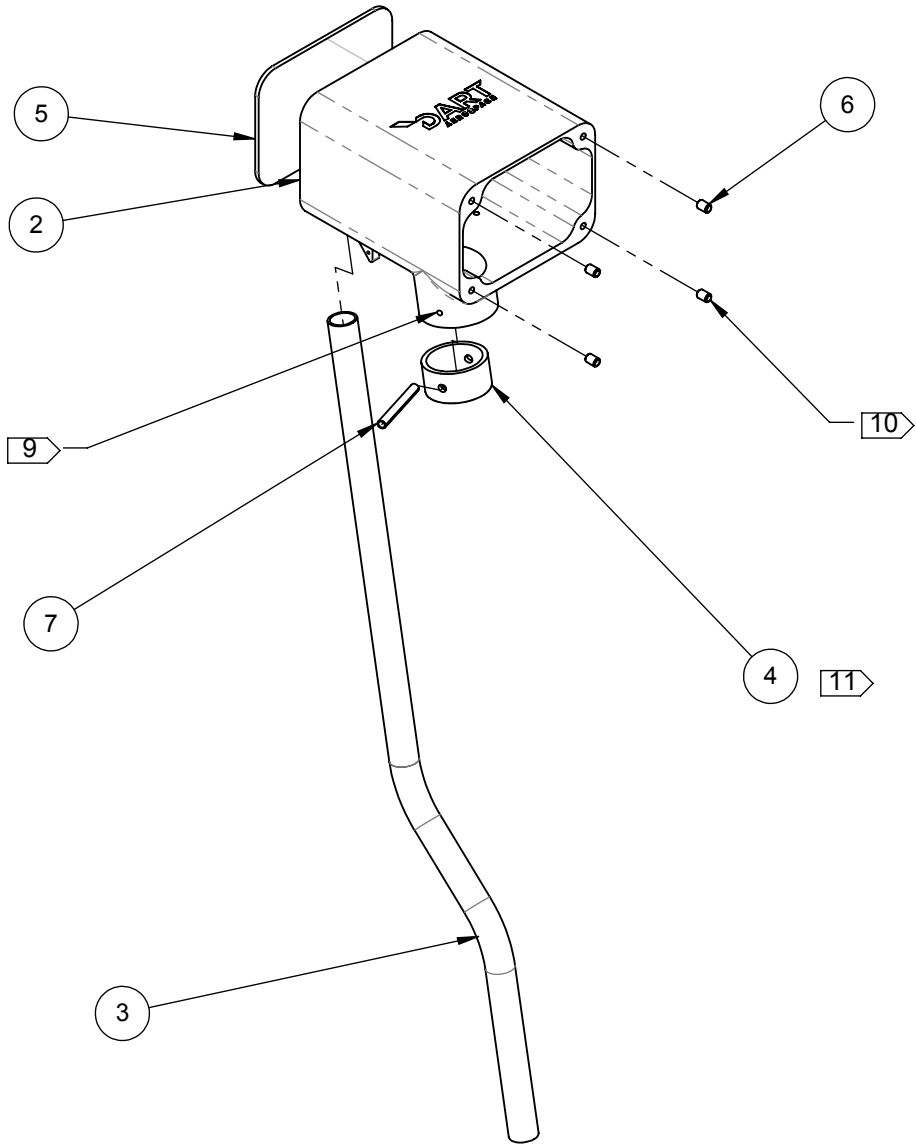
D4410-043 WELDING DETAIL

- NOTES:
- 1) MATERIAL: N/A
  - 2) FINISH: ANODIZE BLACK PER MIL-A-8625F TYPE I OR IB OR IC OR II OR IIB CLASS 2 AFTER WELDING
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
  - 7) WEIGHT: 1.55 lbs
  - 8) WELD PER DART QSI 004
  - 9) REAM TO Ø0.177 (DRILL #16)
  - 10) INSTALL AFTER ANODIZING
  - 11) INSTALL AFTER ANODIZING WET WITH PROSEAL 890 OR EQUIVALENT ENSURE THAT PROSEAL DOES NOT CONTACT PIN

PRELIMINARY ISSUE

DESIGN	VS	<b>DART AEROSPACE USA, INC.</b> KENT, WA	
DRAWN	VS		
CHECKED	RF	DRAWING NO.	REV. D5
MFG. APPR.	JLM	<b>D4410</b>	SHEET 2 OF 12
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	<b>CO-PILOT COLLECTIVE HEAD</b>	NTS
DATE	<b>14.10.14</b>	<b>COPYRIGHT © 2011 BY DART AEROSPACE USA, INC.</b> THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	

ITEM NO.	QTY. -045	PART NUMBER	DESCRIPTION
1	X	D4410-045	CO-PILOT COLLECTIVE HEAD ASSEMBLY (EAGLE SINGLE)
2	1	D4410-1	CO-PILOT COLLECTIVE HEAD
3	1	D4410-7	CONDUIT
4	1	D4410-13	212 SHIM
5	1	D4410-15	REAR COVER
6	4	90296A108	HELI-COIL INSERT (6-32 X 0.276)
7	1	MS171599	PIN



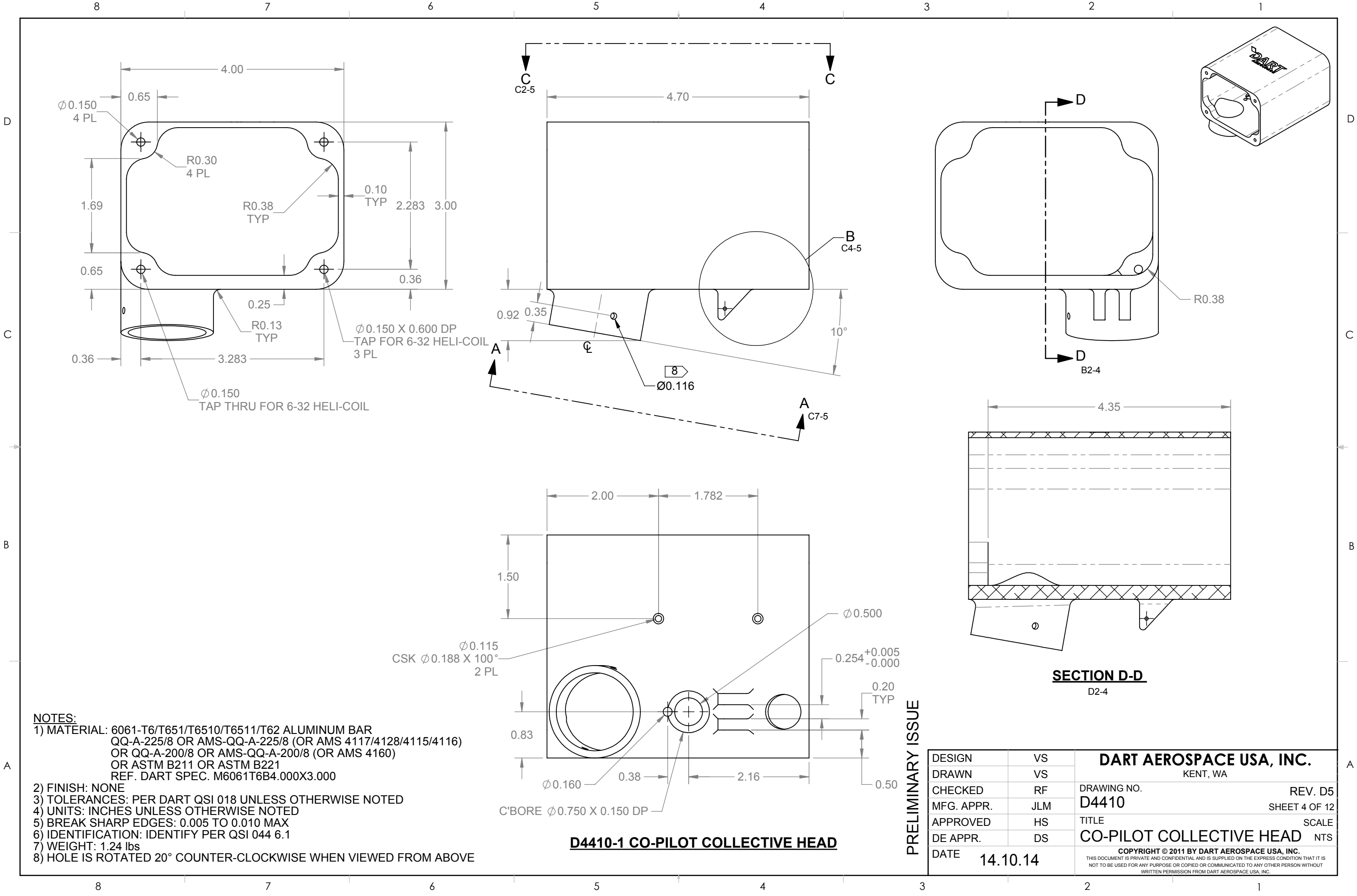
D4410-045 WELDING DETAIL

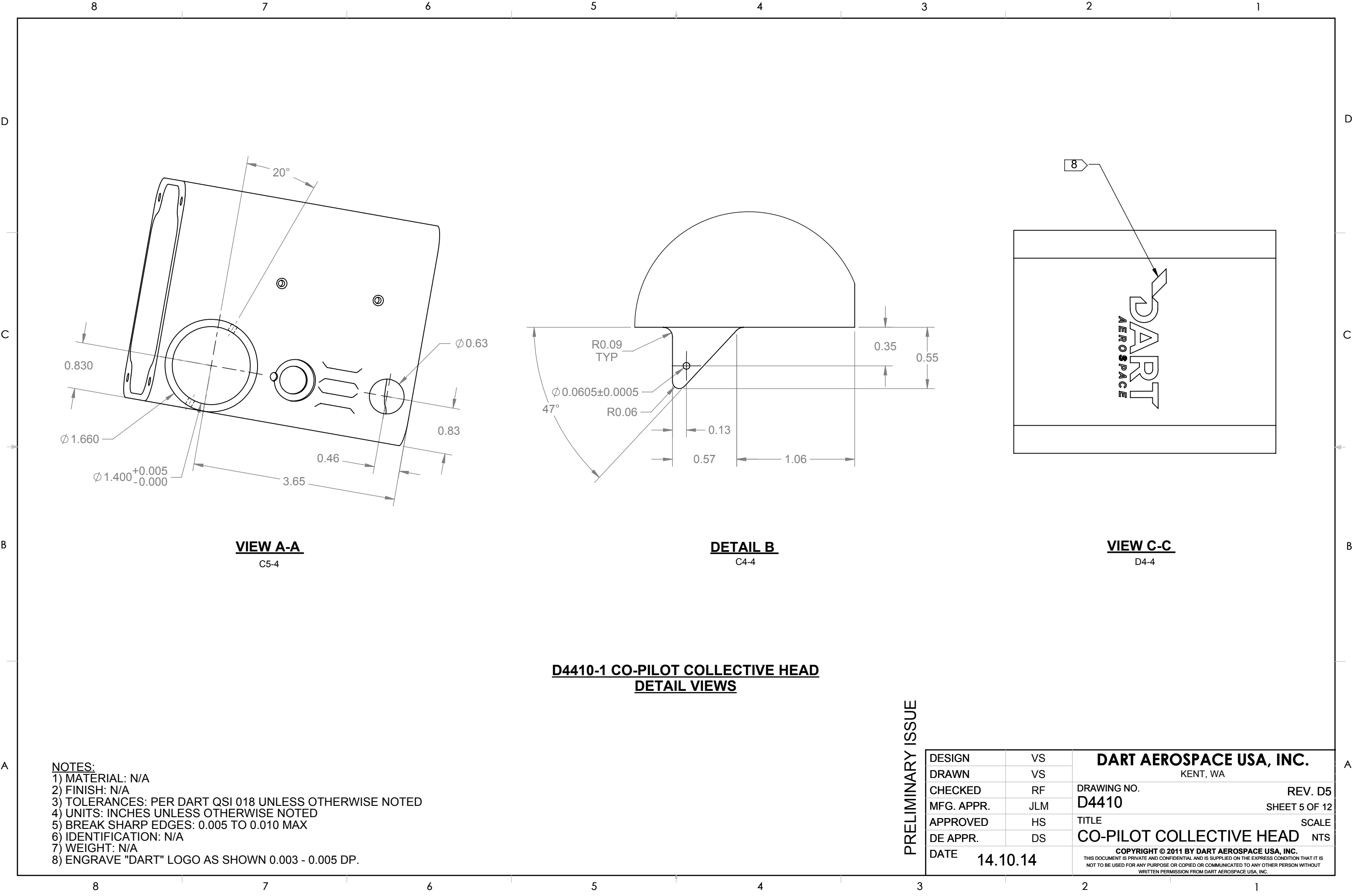
- NOTES:
- 1) MATERIAL: N/A
  - 2) FINISH: ANODIZE BLACK PER MIL-A-8625F TYPE I OR IB OR IC OR II OR IIB CLASS 2 AFTER WELDING
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
  - 7) WEIGHT: 1.55 lbs
  - 8) WELD PER DART QSI 004
  - 9) REAM TO Ø0.177 (DRILL #16)
  - 10) INSTALL AFTER ANODIZING
  - 11) INSTALL AFTER ANODIZING WET WITH PROSEAL 890 OR EQUIVALENT ENSURE THAT PROSEAL DOES NOT CONTACT PIN

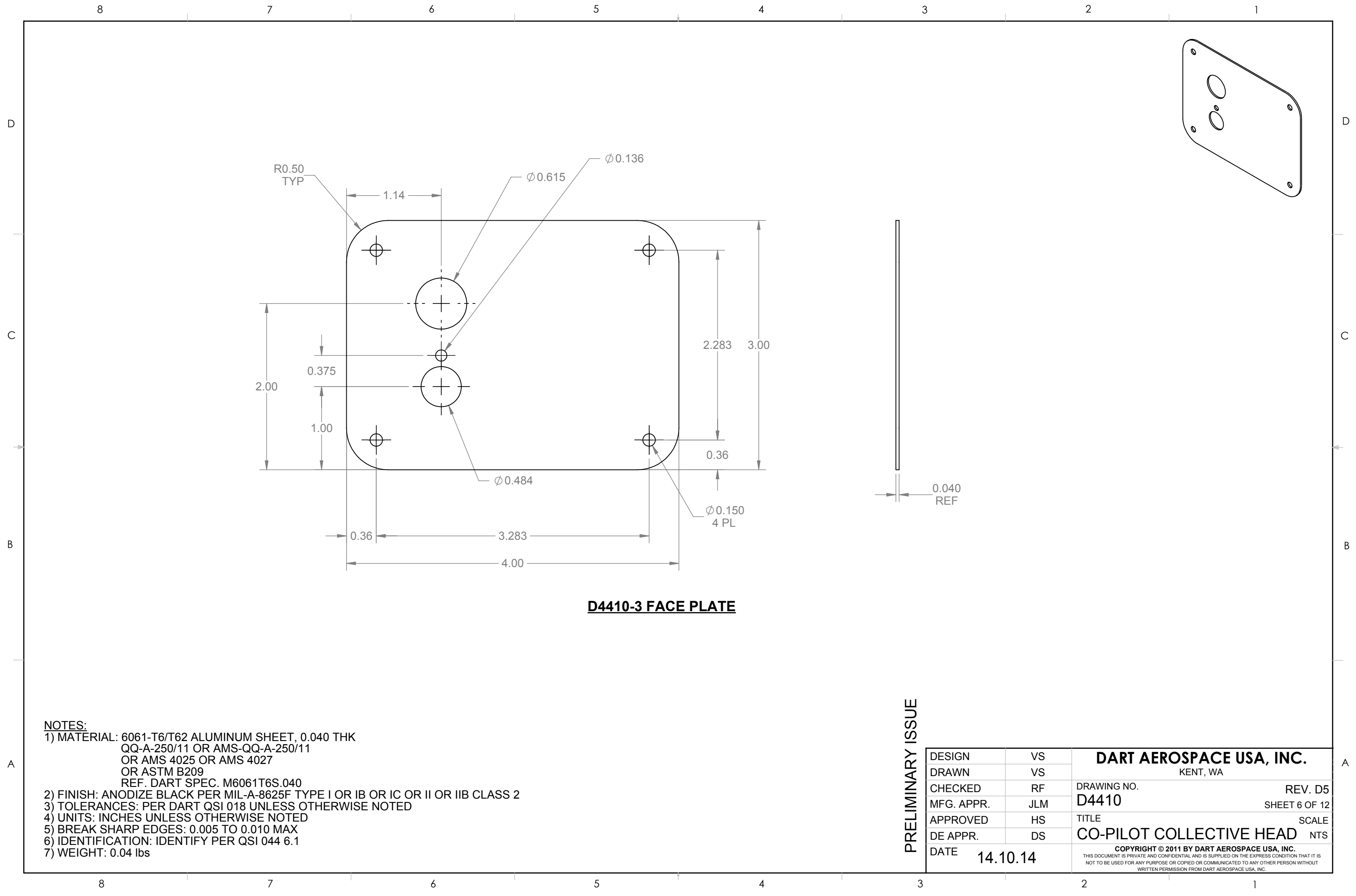
D4410-045 CO-PILOT COLLECTIVE HEAD ASSEMBLY  
(EAGLE SINGLE)

PRELIMINARY ISSUE

DESIGN	VS	DART AEROSPACE USA, INC. KENT, WA	
DRAWN	VS		
CHECKED	RF	DRAWING NO.	REV. D5
MFG. APPR.	JLM	D4410	SHEET 3 OF 12
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	CO-PILOT COLLECTIVE HEAD	NTS
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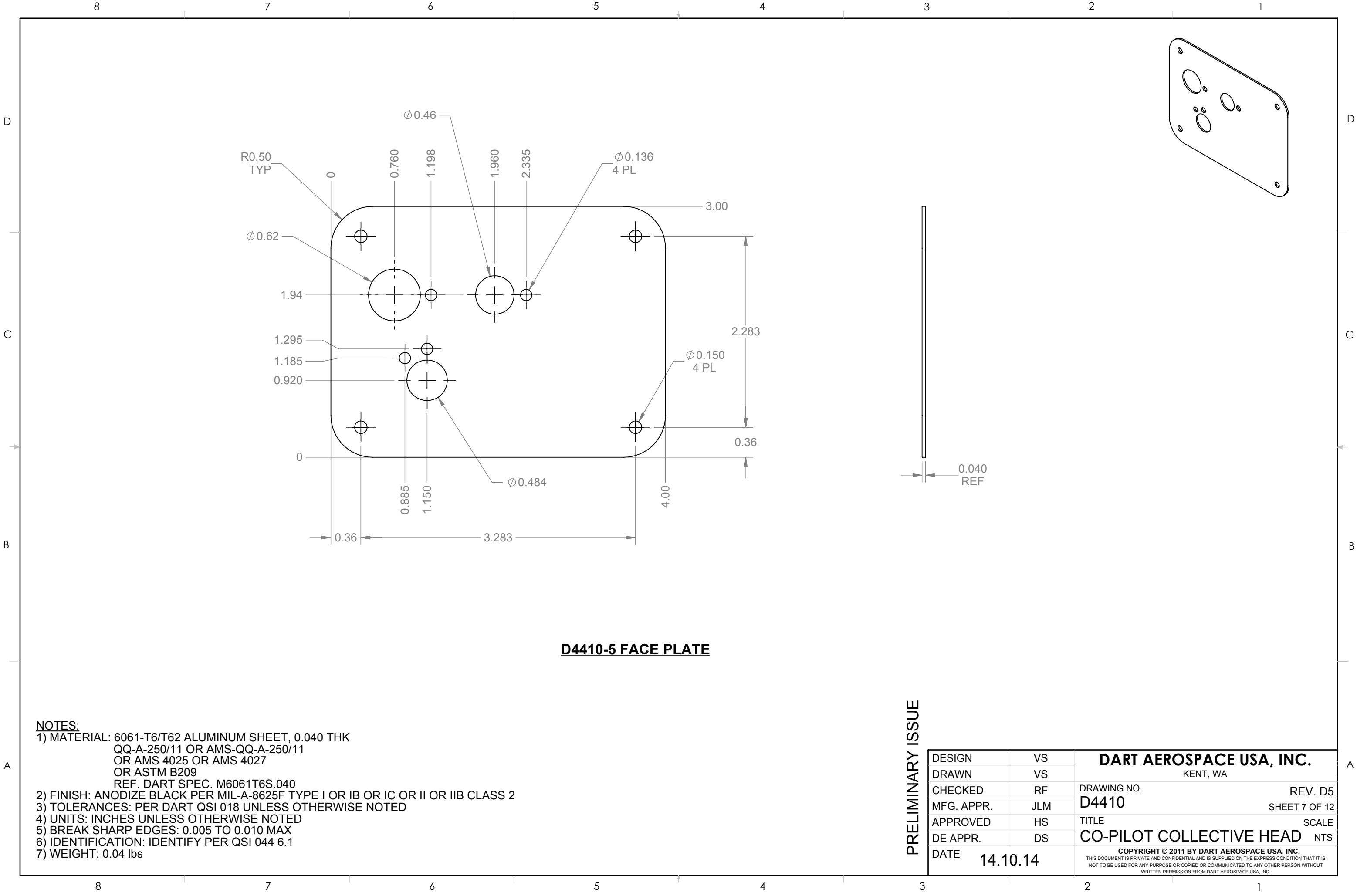


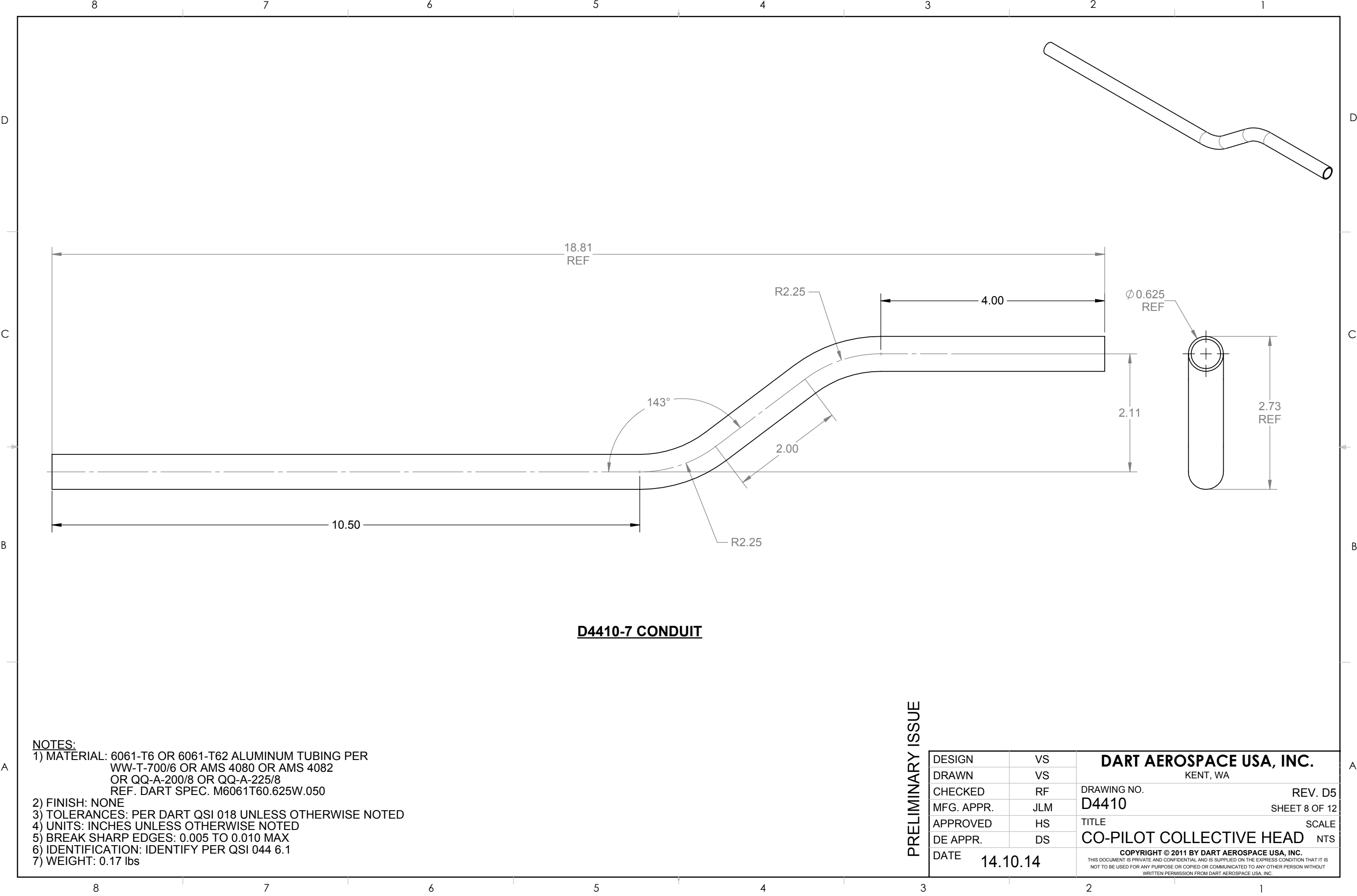
**D4410-3 FACE PLATE**

- NOTES:**
- 1) MATERIAL: 6061-T6/T62 ALUMINUM SHEET, 0.040 THK  
QQ-A-250/11 OR AMS-QQ-A-250/11  
OR AMS 4025 OR AMS 4027  
OR ASTM B209  
REF. DART SPEC. M6061T6S.040
  - 2) FINISH: ANODIZE BLACK PER MIL-A-8625F TYPE I OR IB OR IC OR II OR IIB CLASS 2
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
  - 7) WEIGHT: 0.04 lbs

PRELIMINARY ISSUE

DESIGN	VS	<b>DART AEROSPACE USA, INC.</b> KENT, WA	
DRAWN	VS		
CHECKED	RF	DRAWING NO. <b>D4410</b>	REV. D5 SHEET 6 OF 12
MFG. APPR.	JLM	TITLE <b>CO-PILOT COLLECTIVE HEAD</b>	
APPROVED	HS		
DE APPR.	DS	SCALE NTS	
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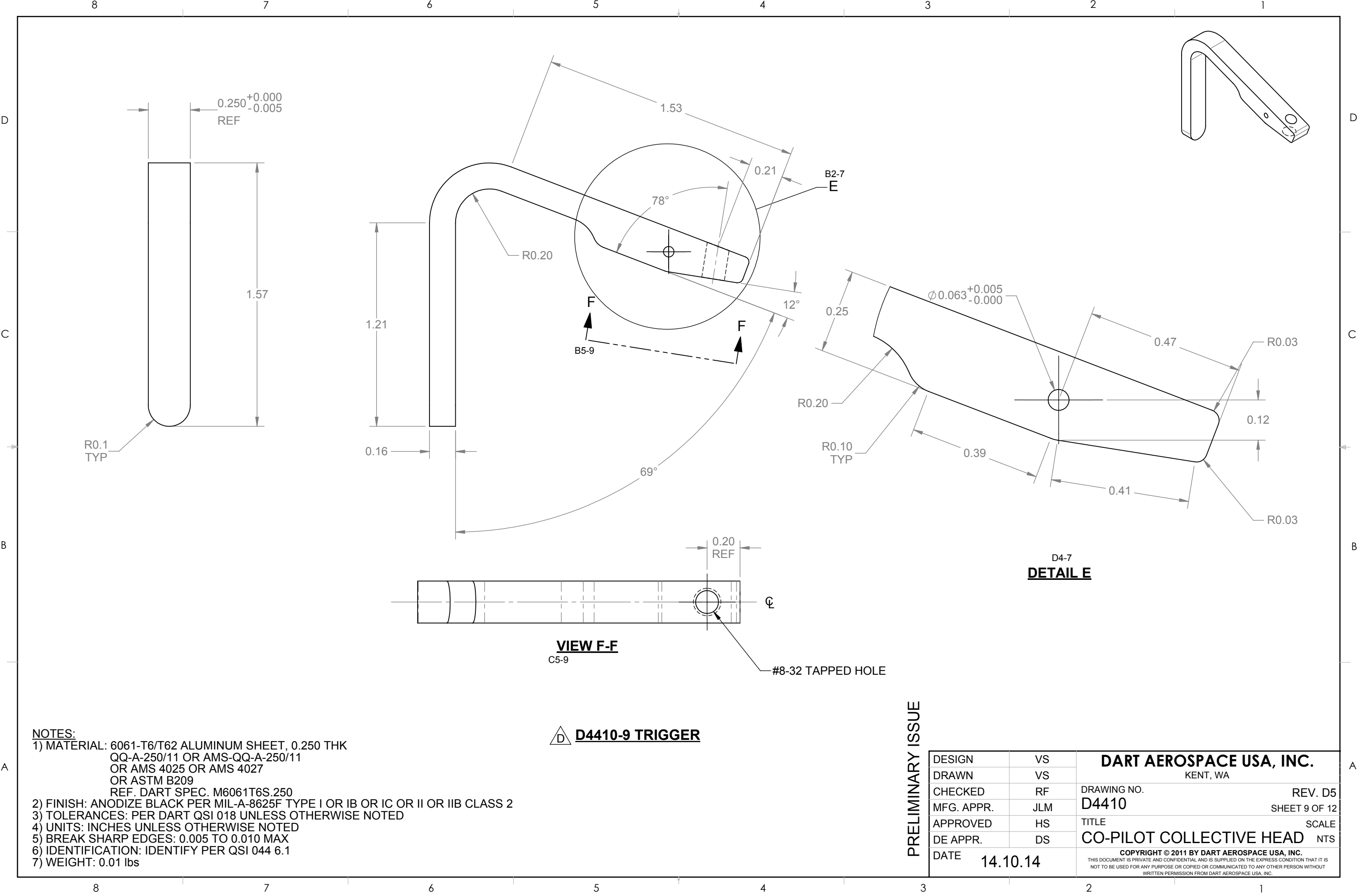
**D4410-7 CONDUIT**

- NOTES:**  
1) MATERIAL: 6061-T6 OR 6061-T62 ALUMINUM TUBING PER  
WW-T-700/6 OR AMS 4080 OR AMS 4082  
OR QQ-A-200/8 OR QQ-A-225/8  
REF. DART SPEC. M6061T60.625W.050  
2) FINISH: NONE  
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED  
4) UNITS: INCHES UNLESS OTHERWISE NOTED  
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX  
6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1  
7) WEIGHT: 0.17 lbs

PRELIMINARY ISSUE

DESIGN	VS	<b>DART AEROSPACE USA, INC.</b> KENT, WA	
DRAWN	VS		
CHECKED	RF	DRAWING NO.	REV. D5
MFG. APPR.	JLM	<b>D4410</b>	SHEET 8 OF 12
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	<b>CO-PILOT COLLECTIVE HEAD</b>	NTS
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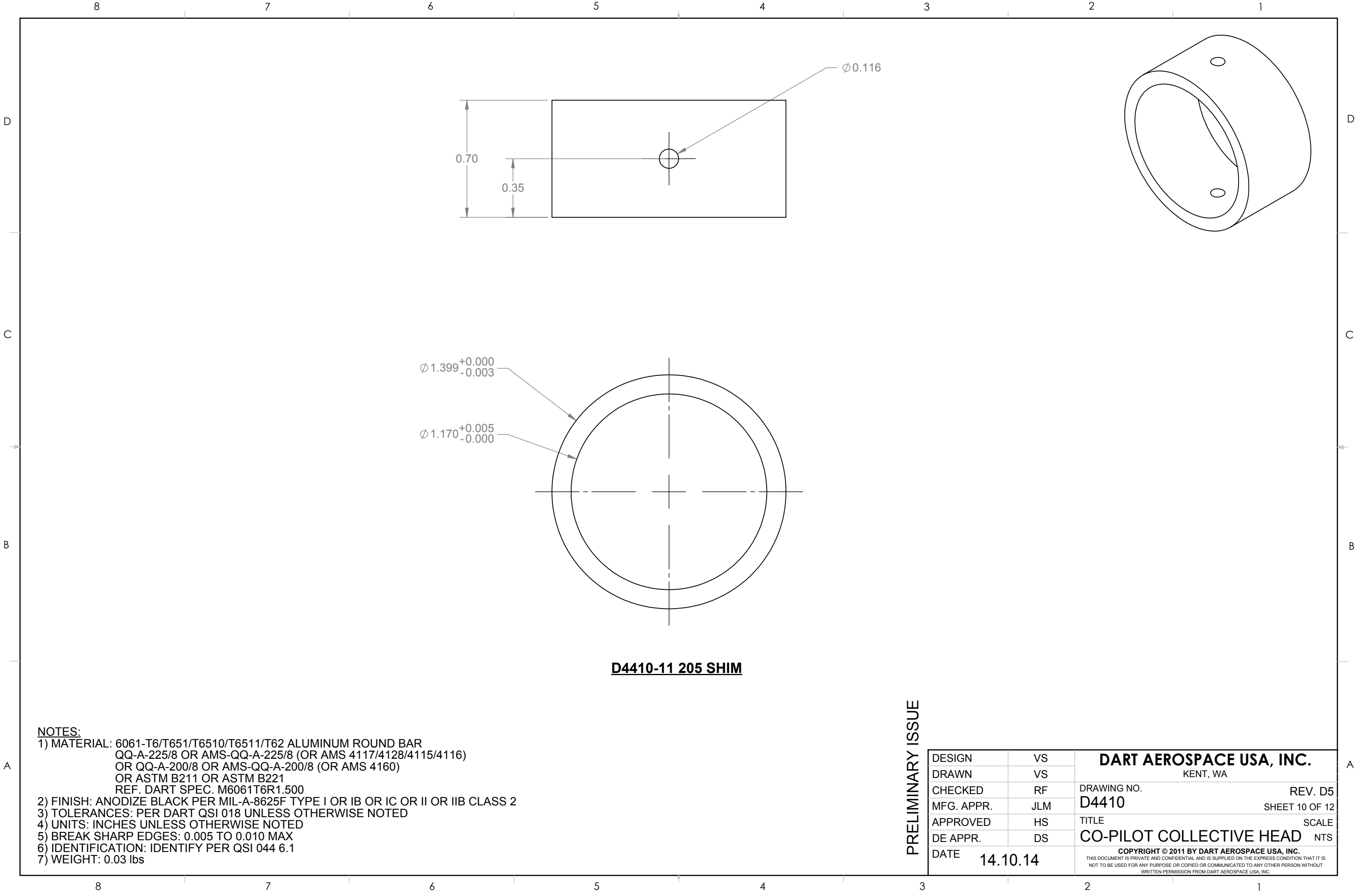
NOTES:

- 1) MATERIAL: 6061-T6/T62 ALUMINUM SHEET, 0.250 THK  
QQ-A-250/11 OR AMS-QQ-A-250/11  
OR AMS 4025 OR AMS 4027  
OR ASTM B209  
REF. DART SPEC. M6061T6S.250
- 2) FINISH: ANODIZE BLACK PER MIL-A-8625F TYPE I OR IB OR IC OR II OR IIB CLASS 2
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
- 7) WEIGHT: 0.01 lbs

**D4410-9 TRIGGER**

PRELIMINARY ISSUE

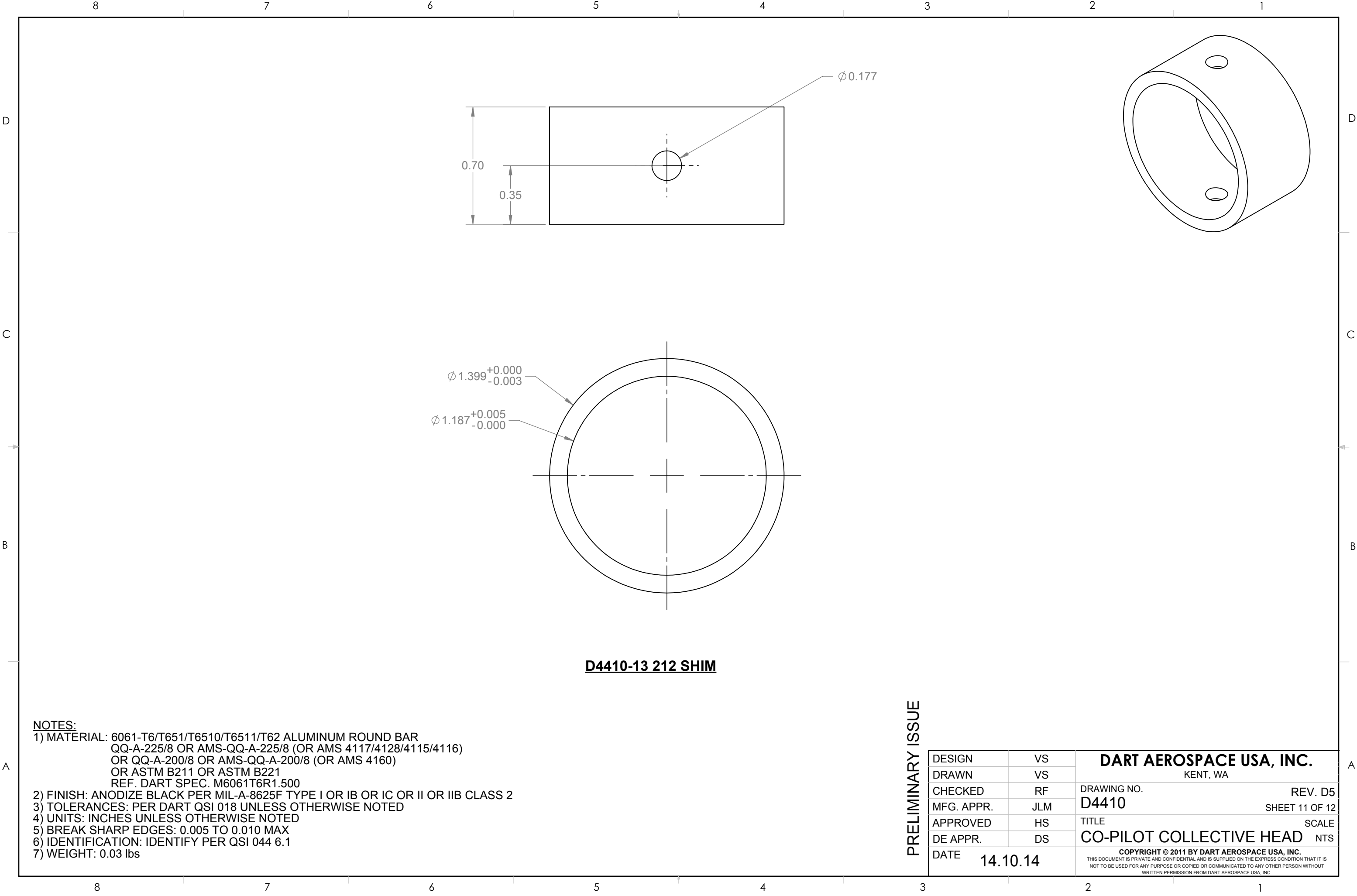
DESIGN	VS	<b>DART AEROSPACE USA, INC.</b> KENT, WA	
DRAWN	VS		
CHECKED	RF	DRAWING NO.	REV. D5
MFG. APPR.	JLM	<b>D4410</b>	SHEET 9 OF 12
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	<b>CO-PILOT COLLECTIVE HEAD</b>	NTS
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**NOTES:**  
1) MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR  
QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)  
OR ASTM B211 OR ASTM B221  
REF. DART SPEC. M6061T6R1.500  
2) FINISH: ANODIZE BLACK PER MIL-A-8625F TYPE I OR IB OR IC OR II OR IIB CLASS 2  
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED  
4) UNITS: INCHES UNLESS OTHERWISE NOTED  
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX  
6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1  
7) WEIGHT: 0.03 lbs

DESIGN	VS	<b>DART AEROSPACE USA, INC.</b> KENT, WA	
DRAWN	VS		
CHECKED	RF	DRAWING NO.	REV. D5
MFG. APPR.	JLM	<b>D4410</b>	SHEET 10 OF 12
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	<b>CO-PILOT COLLECTIVE HEAD</b>	NTS
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PRELIMINARY ISSUE



NOTES:

- 1) MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR  
QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)  
OR ASTM B211 OR ASTM B221  
REF. DART SPEC. M6061T6R1.500
- 2) FINISH: ANODIZE BLACK PER MIL-A-8625F TYPE I OR IB OR IC OR II OR IIB CLASS 2
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
- 7) WEIGHT: 0.03 lbs

PRELIMINARY ISSUE

DESIGN	VS	DART AEROSPACE USA, INC. KENT, WA
DRAWN	VS	
CHECKED	RF	DRAWING NO. REV. D5
MFG. APPR.	JLM	D4410 SHEET 11 OF 12
APPROVED	HS	TITLE SCALE
DE APPR.	DS	CO-PILOT COLLECTIVE HEAD NTS
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